ANALYTICA CHIMICA ACTA, VOL. 237 (1990)

AUTHOR INDEX

Agrawal, C.
—, Shrivastava, M., Mishra, R.K. and Patel, K.S.
Extraction of gold(III) from low-grade ores with amidines followed by its spectrophotometric determination with methylene blue 491
Agterdenbos, J., see Narsito 181
Alberti, M.M., see McNeil, C.J. 99
Arefyev, A.A.
—, Vlasenko, S.B., Eremin, S.A., Osipov, A.P. and Egorov, A.M.
Flow-injection enzyme immunoassay of haptens with enhanced chemiluminescence detection 285
Arima, S., see Miura, J. 201
Athavale, S.V., see Saraswati, R. 325
Auer, W.
— and Malissa, Jr., H.
Determination of trace amounts of polycyclic aromatic hydrocarbons in soil 451

Baeza Baeza, J.J.
—, Ramis Ramos, G. and Mongay Fernández, C.
Information content of data and variables and types of weighting in least-squares regression methods 473
Balcerzak, J., see Wojciechowski, M. 127
Benthin, S., see Nielsen, J. 165
Bergveld, P., see Luo, J. 71
Biziuk, M., see Namieśnik, J. 1
Blitterswijk, H. Van, see Van Ginkel, L.A. 61
Bond, A.M.
—, Hudson, H.A., Mosby, V., Tan, S.N. and Walter, F.L.
Development and application of a fully automated, battery-operated, computerized field-based fluoride monitor 345
Bonilla, M., see Madrid, Y. 181
Bos, M., see Luo, J. 71
Brajter-Toth, A., see Zhu, S.-M. 305
Brennan, J.D.
—, Brown, R.S., McClintock, C.P. and Krull, U.J.
Fluorescence transduction of an enzyme–substrate reaction by modulation of lipid membrane structure 253
Bright, F.V., see Litwiler, K.S. 485
Brown, R.S., see Brennan, J.D. 253
Bruckenstein, S.
— and Wrona, P.K.
Determination of oxygen content in $YBa_2Cu_3O_{6.5+x}$ 421
Buch-Rasmussen, T.
Determination of D-glucose in undiluted whole blood using chemically modified electrodes and segmented sample injection in a flow system 405
Buffle, J., see Tercier, M.-L. 429

Cámara, C., see Madrid, Y. 181
Catena, G.C., see Litwiler, K.S. 485
Cha, G.S., see Yim, H.S. 115
Chang, W.-B., see Ci, Y.-X. 497
Cheng, J.-K., see Zhang, X.-X. 311
Ci, Y.-X.
—, He, H.-B., Chang, W.-B. and Liu, J.-S.
Study of the mimetic peroxidase-catalysed chemiluminescence reaction 497
Cooper, J.M., see McNeil, C.J. 99
Coury, Jr., L.A., see Wheeler, S.K. 141

De Jong, A.P.J.M., see Van Ginkel, L.A. 61
Desikan, N.R., see Saraswati, R. 325
De Vitre, R.R., see Tercier, M.-L. 429
Doe, H.
—, Nakamura, Y. and Kitagawa, T.
Mass transfer of acetylacetone, ethylene glycol mono-*n*-butyl ether and ethylene glycol monophenyl ether across water–carbon tetrachloride and water–chloroform interfaces 237

Ebdon, L., see Jones, P. 291
Egorov, A.M., see Arefyev, A.A. 285
Ellen, G., see Van Ginkel, L.A. 61
Eremin, S.A., see Arefyev, A.A. 285

Felix-Slinn, T., see Skogerboe, K.J. 299
Florence, T.M., see Stauber, J.L. 177

Ge, H.
—, Wallace, G.G. and O'Halloran, R.A.J.
Determination of trace amounts of chloramines by liquid chromatographic separation and amperometric detection 149
George, K., see McNeil, C.J. 99
Gill, G., see Siegel, M.M. 459
Ginkel, L.A. Van, see Van Ginkel, L.A. 61
Górecki, T., see Namieśnik, J. 1

He, H.-B., see Ci, Y.-X. 497
Heeft, E. Van Der, see Van Ginkel, L.A. 61
Heineman, W.R., see Wheeler, S.K. 141
Hudson, H.A., see Bond, A.M. 345

Inoue, H., see Suzuki, K. 155

Jian, C.
— and Seitz, W.R.
Membrane for in situ optical detection of organic nitro compounds based on fluorescence quenching 265

Jones, P.
—, Williams, T. and Ebdon, L.
Development of a novel multi-element detection system for trace metal determination based on chemiluminescence after separation by ion chromatography 291
Jong, A.P.J.M. De, see Van Ginkel, L.A. 61
Juhl, L.L.
—, Kalivas, J.H. and Sutter, J.M.
Observations of trends for singular values and eigenvectors from library searching ultraviolet–visible spectra with spectral subtraction 223

Kalivas, J.H., see Juhl, L.L. 223
Karagözler, A.E., see Xue, Z.-L. 317
Kitagawa, T., see Doe, H. 237
Krull, U.J., see Brennan, J.D. 253

Laserna, J.J.
—, Sutherland, W.S. and Winefordner, J.D.
Microspectrometric investigation of active substrates for surface enhanced Raman scattering 439
Lin, M.S., see Navaratne, A. 107
Linden, W. Van Der, see Luo, J. 71
Litwiler, K.S.
—, Catena, G.C. and Bright, F.V.
Simple fiber-optic sensor based on immobilized β-cyclodextrin 485
Liu, J.-S., see Ci, Y.-X. 497
Lubert, K.-H.
— and Schnurrbusch, M.
Rapid determination of surface-active substances by fast-scan differential-pulse voltammetry 233
Lunar, M.L.
—, Rubio, S. and Pérez-Bendito, D.
Combination of micellar and chemical catalysis as a means of enhancing the sensitivity of catalytic kinetic determinations 207
Luo, J.
—, Olthuis, W., Van Der Schoot, B.H., Bergveld, P., Bos, M. and Van Der Linden, W.E.
Modelling of the migration effect occurring at an ISFET-based coulometric sensor–actuator system 71

Madrid, Y.
—, Meseguer, J., Bonilla, M. and Cámara, C.
Lead hydride generation in a lactic acid–potassium dichromate medium and its application to the determination of lead in fish, vegetable and drink samples 181
Malissa, Jr., H., see Auer, W. 451
Mark, Jr., H.B., see Xue, Z.-L. 317
Márquez, M.
—, Silva, M. and Pérez-Bendito, D.
Kinetic determination of sulphonamides at the millimolar level by the continuous addition of reagent technique 353
Marshall, G.D., see Ruzicka, J. 329
Martin, G.B.
— and Rechnitz, G.A.
Electrochemical determination of allopurinol based on its interaction with xanthine oxidase 91
Masui, K., see Nomura, T. 135
McClintock, C.P., see Brennan, J.D. 253
McNeil, C.J.
—, Spoors, J.A., Cooper, J.M., George, K., Alberti, M.M. and Mullen, W.H.
Amperometric biosensor for rapid measurement of 3-hydroxybutyrate in undiluted whole blood and plasma 99
Meseguer, J., see Madrid, Y. 181
Meyerhoff, M.E., see Yim, H.S. 115
Mishra, R.K., see Agrawal, C. 491
Miura, J.
—, Arima, S. and Satake, M.
Tetradecyldimethylbenzylammonium thiocyanate adsorbent supported on naphthalene for the preconcentration and determination of cobalt in aluminium alloys and steels using atomic absorption spectrometry 201
Miyazaki, K., see Suzuki, K. 155
Mondovi', B., see Stevanato, R. 391
Mongay Fernández, C., see Baeza Baeza, J.J. 473
Mopper, K., see Vairavamurthy, A. 215
Mosby, V., see Bond, A.M. 345
Mullen, W.H., see McNeil, C.J. 99
Murakami, S., see Saito, K. 245
Muromatsu, A., see Saito, K. 245

Nakagawa, G., see Nomura, T. 135
Nakamura, Y., see Doe, H. 237
Namieśnik, J.
—, Górecki, T., Biziuk, M. and Torres, L.
Isolation and preconcentration of volatile organic compounds from water (Review) 1
Narsito
—, Agterdenbos, J. and Santosa, S.J.
Study of processes in the hydride generation atomic absorption spectrometry of antimony, arsenic and selenium 189
Navaratne, A.
—, Lin, M.S. and Rechnitz, G.A.
Eggplant-based bioamperometric sensor for the detection of catechol 107
Nielsen, J.
—, Nikolajsen, K., Benthin, S. and Villadsen, J.
Application of flow-injection analysis in the on-line monitoring of sugars, lactic acid, protein and biomass during lactic acid fermentations 165
Nikolajsen, K., see Nielsen, J. 165
Nomura, T.
—, Masui, K. and Nakagawa, G.
Anion-selective properties of alkali metal-free lead phosphate glasses containing silver chloride and their application in an ion-selective electrode 135

O'Halloran, R.A.J., see Ge, H. 149
Ohzora, H., see Suzuki, K. 155
Olson, D.L.

— and Scheeline, A.
Theoretical investigation of the peroxidase–oxidase chemical oscillator for quantitative enzyme analysis 381
Olthuis, W., see Luo, J. 71
Osipov, A.P., see Arefyev, A.A. 285

Pacey, G.E., see Spinks, T.L. 503
Pardue, H.L., see Uhegbu, C.E. 413
Patel, K.S., see Agrawal, C. 491
Pérez-Bendito, D., see Lunar, M.L. 207
—, see Márquez, M. 353
Perry, L.M.
— and Winefordner, J.D.
Energy transfer between 1,3-dimethylxanthine and europium(III) in aqueous solution 273
Przybyt, M.
— and Sugier, H.
Metal–metal oxide enzyme electrodes for the determination of urea 399

Ramis Ramos, G., see Baeza Baeza, J.J. 473
Rao, C.R.M.
— and Reddi, G.S.
Decomposition procedure with aqua regia and hydrofluoric acid at room temperature for the spectrophotometric determination of phosphorus in rocks and minerals 251
Rao, T.H., see Saraswati, R. 325
Rechnitz, G.A., see Martin, G.B. 91
—, see Navaratne, A. 107
Reddi, G.S., see Rao, C.R.M. 251
Reents, Jr., W.D.
Purity of III/V semiconductor precursors: trimethylgallium, triethylgallium, ethyldimethylindium, arsine, trimethylarsine and phosphine 83
Rigo, A., see Stevanato, R. 391
Rossum, H.J. Van, see Van Ginkel, L.A. 61
Rubio, S., see Lunar, M.L. 207
Russell, G.C., see Xue, Z.-L. 317
Ruzicka, J.
— and Marshall, G.D.
Sequential injection: a new concept for chemical sensors, process analysis and laboratory assays 329

Sabatini, S., see Stevanato, R. 391
Saito, K.
—, Murakami, S., Muromatsu, A. and Sekido, E.
Liquid–liquid extraction of copper(I) by cyclic tetrathio ethers 245
Santosa, S.J., see Narsito 189
Saraswati, R.
—, Desikan, N.R., Athavale, S.V. and Rao, T.H.
Liquid chromatographic analysis of low-alloy steel samples 325
Satake, M., see Miura, J. 201
Scheeline, A., see Olson, D.L. 381
Schnurrbusch, M., see Lubert, K.-H. 233
Schoot, B.H. Van Der, see Luo, J. 71
Seitz, W.R., see Jian, C. 265
Sekido, E., see Saito, K. 245
Shirai, T., see Suzuki, K. 155
Shiundu, P.M., see Wade, A.P. 361
Shrivastava, M., see Agrawal, C. 491
Siegel, M.M.
— and Gill, G.
MASSPEC: a graphics-based data system for correlating a mass spectrum with a proposed structure 459
Silva, M., see Márquez, M. 353
Skogerboe, K.J.
—, Felix-Slinn, T. and Synovec, R.E.
Ion chromatographic determination of oxalate in plasma: correlation study with an enzymatic method 299
Spinks, T.L.
— and Pacey, G.E.
Utilization of adsorption-immobilized urease in gas-diffusion flow injection 503
Spoors, J.A., see McNeil, C.J. 99
Stauber, J.L.
— and Florence, T.M.
Fumed silica for the direct determination of lead in urine by differential-pulse anodic stripping voltammetry 177
Stevanato, R.
—, Mondovi', B., Sabatini, S. and Rigo, A.
Spectrophotometric assay for total polyamines by immobilized amine oxidases 391
Sugier, H., see Przybyt, M. 399
Sutherland, W.S., see Laserna, J.J. 439
Sutter, J.M., see Juhl, L.L. 223
Suzuki, K.
—, Ohzora, H., Tohda, K., Miyazaki, K., Watanabe, K., Inoue, H. and Shirai, T.
Fibre-optic potassium ion sensors based on a neutral ionophore and a novel lipophilic anionic dye 155
Synovec, R.E., see Skogerboe, K.J. 299

Tan, S.N., see Bond, A.M. 345
Tercier, M.-L.
—, Buffle, J., Zirino, A. and De Vitre, R.R.
In situ voltammetric measurement of trace elements in lakes and oceans 429
Tiers, G.V.D.
Calibration of capillary melting-point apparatus to the International Temperature Scale of 1990 (ITS-90) by use of fluxed highly pure metals 241
Tohda, K., see Suzuki, K. 155
Torres, L., see Namieśnik, J. 1

Uhegbu, C.E.
— and Pardue, H.L.
Kinetic response of an oxygen-selective electrode evaluated for the quantification of oxygen 413

Vairavamurthy, A.
— and Mopper, K.
Determination of low-molecular-weight carboxylic acids in

aqueous samples by gas chromatography and nitrogen-selective detection of 2-nitrophenylhydrazides 215
Van Blitterswijk, H., see Van Ginkel, L.A. 61
Van Der Heeft, E., see Van Ginkel, L.A. 61
Van Der Linden, W.E., see Luo, J. 71
Van Der Schoot, B.H., see Luo, J. 71
Van Ginkel, L.A.
—, Van Rossum, H.J., Zoontjes, P.W., Van Blitterswijk, H., Ellen, G., Van Der Heeft, E., De Jong, A.P.J.M. and Zomer, G.
Development and validation of a gas chromatographic–mass spectrometric procedure for the identification and quantification of residues of chloramphenicol 61
Van Rossum, H.J., see Van Ginkel, L.A. 61
Villadsen, J., see Nielsen, J. 165
Vitre, R.R. De, see Tercier, M.-L. 429
Vlasenko, S.B., see Arefyev, A.A. 285

Wade, A.P.
—, Shiundu, P.M. and Wentzell, P.D.
Automated exploration and exploitation of flow-injection response surfaces 361
Wallace, G.G., see Ge, H. 149
Walter, F.L., see Bond, A.M. 345
Wang, M.-S., see Zhang, X.-X. 311
Watanabe, K., see Suzuki, K. 155
Wentzell, P.D., see Wade, A.P. 361
Wheeler, S.K.
—, Coury, Jr., L.A. and Heineman, W.R.
Fouling-resistant, polymer-modified graphite electrodes 141
Williams, T., see Jones, P. 291
Winefordner, J.D., see Laserna, J.J. 439
Winefordner, J.D., see Perry, L.M. 273
Wojciechowski, M.
— and Balcerzak, J.
Microvolume electrochemical cell employing cylindrical graphite fiber microelectrodes 127
Wrona, P.K., see Bruckenstein, S. 421

Xue, Z.-L.
—, Karagözler, A.E., Russell, G.C., Zimmer, H. and Mark, Jr., H.B.
Conductivity monitoring of inorganic anions with a Cu(II)-containing poly(3-methylthiophene) electrode in single-column ion chromatography 317

Yim, H.S.
—, Cha, G.S. and Meyerhoff, M.E.
Differential ion-selective membrane electrode-based potentiometric gas-sensing cells with enhanced gas sensitivity 115

Zhang, X.-X.
—, Wang, M.-S. and Cheng, J.-K.
Determination of total rare earth elements, thorium and chromium with 2-(2-arsenophenylazo)-1,8-dihydroxy-7-(2,6-dibromo-4-fluorophenylazo)naphthalene-3,6-disulphonic acid by reversed-phase ion-pair liquid chromatography 311
Zhu, S.-M.
— and Brajter-Toth, A.
Liquid chromatographic determination of 6-thiopurine metabolites formed in vitro in electrochemical and enzymatic oxidative activation 305
Zimmer, H., see Xue, Z.-L. 317
Zirino, A., see Tercier, M.-L. 429
Zomer, G., see Van Ginkel, L.A. 61
Zoontjes, P.W., see Van Ginkel, L.A. 61